## WHAT IS CLAIMED IS:

- 1. In the method of treating infertility disorders by administering an LH-RH antagonist and inducing follicle growth by administration of exogenous gonadotropin wherein the improvement comprises administering an amount of LH-RH antagonist sufficient to selectively suppress endogenous LH but not FSH secretion which is maintained at a natural level thereby not affecting individual estrogen development.
- 2. The method of treating infertility disorders by administering a LH-RH antagonist and inducing follicle growth by administration of exogenous gonadotropic according to claim 1 wherein the improvement further comprises using Cetrorelix as the antagonist.
- 3. The method according to claim 2 wherein the improvement further comprises stimulating follicle growth with substances other than exogenous gonadotropins.

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- 4. The method according to claim 2 wherein the improvement further comprises maintaining the follicle development by endogenous gonadotropins after inhibition of the action of natural LH caused by the LH-RH antagonist preferably, Cetrorelix.
- 5. The method according to claim 2 wherein the improvement further comprises administering the Cetrorelix subcutaneously in an amount in the range of 0.1 to 0.5 mg of Cetrorelix/day during multiple

dosing posology.

- 6.. The method according to claim 1 wherein the LH-RH antagonist is given as a single or dual subcutaneous dose in the range of 1 mg to 10 mg, preferably 2 mg 6 mg.
- 7. The method of controlled ovarian stimulation in which the LH-RH antagonist preferably Cetrorelix is applied according to claim 6 starting on cycle day 6 to 10 and ovulation can be induced between day 9-16 of the menstruation cycle.
- 8. The method according to claim 7 wherein native LHRH or a LHRH agonist are given to avoid luteal phase stimulation in preventing the negative effects of HCG during the luteal phase.
- 9. The method according to claim 7 wherein rec. LH, native LHRH or LHRH agonist are given to avoid hyperstimulation syndrome.
- 10. The method of controlled ovarian stimulation comprising administering Cetrofelix to a subject starting on cycle day 1 to 10, preferably on day 4 to 8 and inducing ovulation between day 9 and 20 of the menstruation cycle.
  - 11. The method according to claim 10 whereas the ovulation is induced by rec. LH.)
- 12. The method according to claim 10 whereas the ovulation is induced by native LHRH.

14. The method according to claim 10 whereas the ovulation is induced by HCG.

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